

Practice

For use with pages 3-7

Lesson 1.1

Sketch the next two figures you expect in the pattern.

1.

2.

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4.

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Three triangles are shown, each with a black arrow and two black dots. The top triangle has an arrow pointing left and dots at the top-left and top-right vertices. The middle triangle has an arrow pointing down and dots at the bottom-left and bottom-right vertices. The bottom triangle has an arrow pointing right and dots at the bottom-left and bottom-right vertices.

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Describe a pattern in the numbers. Write the next number you expect in the pattern.

7. 4, 5, 7, 10, ...

8. 500, 100, 20, 4, ...

9. $6, -2, -10, -18, \dots$

10. 4.5, 9, 18, 36, ...

11. 7, 9, 12, 16, 21, ...

12. 1, 4, 9, 16, ...

13. 3, 5, 9, 15, 23, ...

14. 18, 17, 15, 12, ...

Find a pattern

A, 1, C, 3, E, 5, G, _____

324, 108, 36, 12, _____;

3, -6, 12, -24, _____;

1, 2, 6, 15, 31, 56, _____,

$$\frac{1}{2}, \frac{2}{3}, \frac{3}{4}, \frac{4}{5}, \dots$$
[illegible] $a, d, \sigma_E, j, m, \text{---};$

1, 2, 3, 5, 8, 13, . . .

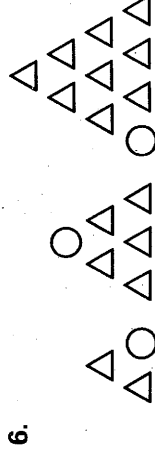
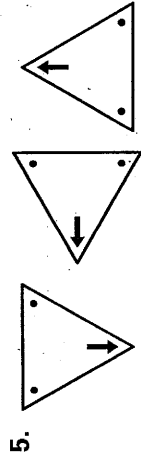
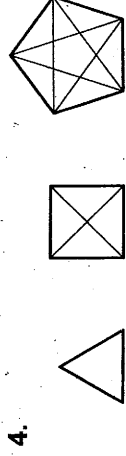
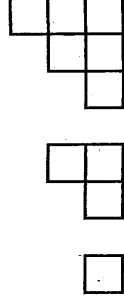
Practice B

For use with pages 3–7

Lesson 1.1

Sketch the next two figures you expect in the pattern.

1.



Describe a pattern in the numbers. Write the next number you expect in the pattern.

7. 4, 5, 7, 10, ...
8. 500, 100, 20, 4, ...

9. $6, -2, -10, -18, \dots$

11. 7, 9, 12, 16, 21, ...

13. 3, 5, 9, 15, 23, ...

8. 500, 100, 20, 4, ...

10. 4.5, 9, 18, 36, ...

12. 1, 4, 9, 16, ...

14. 18, 17, 15, 12, ...

Find a pattern

A, 1, C, 3, E, 5, G,

324, 108, 36, 12, _____, _____

3, -6, 12, -24, _____;

1, 2, 6, 15, 31, 56, _____,

$$\frac{1}{2}, \frac{2}{3}, \frac{3}{4}, \frac{4}{5}, \frac{5}{6}, \frac{6}{7}, \frac{7}{8}, \frac{8}{9}, \frac{9}{10}, \frac{10}{11}, \frac{11}{12}, \frac{12}{13}, \frac{13}{14}, \frac{14}{15}, \frac{15}{16}, \frac{16}{17}, \frac{17}{18}, \frac{18}{19}, \frac{19}{20}, \frac{20}{21}, \frac{21}{22}, \frac{22}{23}, \frac{23}{24}, \frac{24}{25}, \frac{25}{26}, \frac{26}{27}, \frac{27}{28}, \frac{28}{29}, \frac{29}{30}, \frac{30}{31}, \frac{31}{32}, \frac{32}{33}, \frac{33}{34}, \frac{34}{35}, \frac{35}{36}, \frac{36}{37}, \frac{37}{38}, \frac{38}{39}, \frac{39}{40}, \frac{40}{41}, \frac{41}{42}, \frac{42}{43}, \frac{43}{44}, \frac{44}{45}, \frac{45}{46}, \frac{46}{47}, \frac{47}{48}, \frac{48}{49}, \frac{49}{50}, \frac{50}{51}, \frac{51}{52}, \frac{52}{53}, \frac{53}{54}, \frac{54}{55}, \frac{55}{56}, \frac{56}{57}, \frac{57}{58}, \frac{58}{59}, \frac{59}{60}, \frac{60}{61}, \frac{61}{62}, \frac{62}{63}, \frac{63}{64}, \frac{64}{65}, \frac{65}{66}, \frac{66}{67}, \frac{67}{68}, \frac{68}{69}, \frac{69}{70}, \frac{70}{71}, \frac{71}{72}, \frac{72}{73}, \frac{73}{74}, \frac{74}{75}, \frac{75}{76}, \frac{76}{77}, \frac{77}{78}, \frac{78}{79}, \frac{79}{80}, \frac{80}{81}, \frac{81}{82}, \frac{82}{83}, \frac{83}{84}, \frac{84}{85}, \frac{85}{86}, \frac{86}{87}, \frac{87}{88}, \frac{88}{89}, \frac{89}{90}, \frac{90}{91}, \frac{91}{92}, \frac{92}{93}, \frac{93}{94}, \frac{94}{95}, \frac{95}{96}, \frac{96}{97}, \frac{97}{98}, \frac{98}{99}, \frac{99}{100}$$
$$\frac{1}{15}, \frac{2}{15}, \frac{1}{5}, \frac{4}{15}, \frac{\quad}{\quad}, \frac{\quad}{\quad}$$

a, d, g, j, m, _____;

1, 2, 3, 5, 8, 13, . . .